



# Mill Test Certificate

Certificate No. : 220210-FH01KS-0004A1-0004

Date of Issue : Feb., 28, 2022

Order No. : 01S5357632

PO No. : 2201-25.281

Supplier : POSCO INTERNATIONAL CORPORATION

Commodity : HR COIL <sup>(25.281)</sup>

Customer : SUNBELT GROUP

Spec & Type : ASTM A36

Size	Product No.	Quantity	Weight (kg) (lb)	Heat No.	Country of Melt & Pour	Position	Tensile Test			Division	Chemical Composition												
							YP (MPa)	TS (%)	EL (%)		C (%)	Si (%)	Mn (%)	P (%)	S (%)	Cr (%)	Ni (%)	Cu (%)	Mo (%)	Nb (%)	V (%)	SoI-AI (%)	
9.30x1219xC	HQA093210	1	19,080	SQ88639	KOR	B	315	506	31	L	0.1906	0.012	0.872	0.0137	0.0056	0.024	0.013	0.038	0.003	0.000	0.000	0.024	
9.30x1219xC	HQA093230	1	42,064	SQ88639	KOR	B	315	506	31	P	0.1911	0.013		0.0132	0.0050	0.023	0.013	0.036	0.003	0.000	0.000	0.020	
*** Sub Total (Q70) ***		13	41,711							L	0.1906	0.012	0.872	0.0137	0.0056	0.024	0.013	0.038	0.003	0.000	0.000	0.024	
			247,610 (kg)	545,879 (lb)						P	0.1911	0.013		0.0132	0.0050	0.023	0.013	0.036	0.003	0.000	0.000	0.020	
9.30x1524xC	HRA044990	1	18,800	SQ87873	KOR	B	303	488	31	L	0.1782	0.006	0.766	0.0118	0.0039	0.018	0.011	0.023	0.002	0.001	0.000	0.023	
9.30x1524xC	HRA054060	1	41,446	SQ87873	KOR	B	303	488	31	P	0.1749	0.007		0.0131	0.0041	0.019	0.011	0.021	0.002	0.001	0.001	0.024	
9.30x1524xC	HRA045030	1	43,893	SQ87875	KOR	B	293	471	35	L	0.1782	0.006	0.766	0.0118	0.0039	0.018	0.011	0.023	0.002	0.001	0.000	0.023	
9.30x1524xC	HRA045040	1	19,890	SQ87875	KOR	B	293	471	35	P	0.1749	0.007		0.0131	0.0041	0.019	0.011	0.021	0.002	0.001	0.001	0.024	
			43,849							L	0.1767	0.006	0.750	0.0117	0.0034	0.022	0.014	0.029	0.002	0.001	0.000	0.028	
			20,120							P	0.1766	0.007		0.0116	0.0034	0.023	0.014	0.032	0.002	0.001	0.001	0.031	
			44,356							L	0.1767	0.006	0.750	0.0117	0.0034	0.022	0.014	0.029	0.002	0.001	0.000	0.028	
*** Sub Total (Q80) ***		4	78,720 (kg)	173,544 (lb)						P	0.1766	0.007		0.0116	0.0034	0.023	0.014	0.032	0.002	0.001	0.001	0.031	
12.45x1219xC	HQA088870	1	18,790	SQ88522	KOR	B	303	485	34	L	0.1751	0.012	0.747	0.0111	0.0032	0.014	0.009	0.020	0.003	0.001	0.001	0.031	
12.45x1219xC	HQA088810	1	41,424	SQ88524	KOR	B	301	485	39	P	0.1751	0.012		0.0103	0.0031	0.013	0.008	0.018	0.003	0.000	0.000	0.032	
12.45x1219xC	HQA088820	1	18,700	SQ88524	KOR	B	301	485	39	L	0.1823	0.009	0.765	0.0107	0.0036	0.011	0.010	0.021	0.004	0.002	0.000	0.024	
12.45x1219xC	HQA088860	1	41,226	SQ88524	KOR	B	301	485	39	P	0.1823	0.009		0.0106	0.0033	0.013	0.009	0.019	0.004	0.000	0.000	0.021	
12.45x1219xC	HQA088830	1	19,040	SQ88524	KOR	B	301	485	39	L	0.1823	0.009	0.765	0.0107	0.0036	0.011	0.010	0.021	0.004	0.002	0.000	0.024	
			41,975							P	0.1823	0.009		0.0106	0.0033	0.013	0.009	0.019	0.004	0.000	0.000	0.021	
			18,860							L	0.1823	0.009	0.765	0.0107	0.0036	0.011	0.010	0.021	0.004	0.002	0.000	0.024	
			41,579							P	0.1823	0.009		0.0106	0.0033	0.013	0.009	0.019	0.004	0.000	0.000	0.021	
			19,040							L	0.1823	0.009	0.765	0.0107	0.0036	0.011	0.010	0.021	0.004	0.002	0.000	0.024	
			41,975							P	0.1823	0.009		0.0106	0.0033	0.013	0.009	0.019	0.004	0.000	0.000	0.021	

\* Position - T : Top, M : Middle, B : Bottom  
 \* Tensile Test. Direction : Transversal, Gauge Length : 50 mm(Rectangular), YP Method : Upper Point  
 \* Division - L : Ladle Analysis, P : Products Analysis

P.O. # P0233656-06  
 3/8" 60 x 120  
 HEAT # SQ87875

We hereby certify that the material herein has been made in accordance with the order and is fully in compliance.  
 This material has been fully killed and made by basic oxygen process.  
 Test Certificate is issued according to ISO 10474/EN 10204 3.1.

Legal sanction can be imposed on forging. Improper use of product can cause safety issues.

Surveyor To :

Park, Junyoung